Claims:

 A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy;

characterized in that the magnet alloy has an alloy composition of the formula, by atomic %:

$$Sm_vFe_{100-x-v}N_v$$

wherein $7 \le x \le 12$ and $0.5 \le v \le 20$; that the crystal structure is TbCu, type; and that the thickness of the flakes is $10-40 \mu m$.

2. A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; characterized in that the magnet alloy has an alloy composition of the formula, by atomic %:

$$\text{Sm}_{\mathsf{x}}\text{Fe}_{\text{100-x-y-v}}\text{M}^{\text{1}}{}_{\mathsf{y}}\text{N}_{\mathsf{v}}$$

wherein M¹ is at least one member selected from the group consisting of Hf and Zr; $7 \le x \le 12$, $0.1 \le y \le 1.5$, and $0.5 \le v \le 20$; that the crystal structure is TbCu, type; and that the thickness of the flakes is $10-40\mu m$.

3. A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; characterized in that the magnet alloy has an alloy composition of the formula, by atomic %:

wherein M² is at least one member selected from the group consisting of Si, Nb, Ti, Ga, Al, Ta and C; $7 \le x \le 12$, $0.1 \le z \le 1.0$ and $0.5 \le v \le 20$; that the crystal structure is TbCu, type; and that the thickness of the flakes is $10-40\mu m$.

- 4. A powdery magnet material according to one of claims 1 to 3, wherein up to 30 at.% of Sm is substituted with Ce.
- 5. A powdery magnet material according to one of claims 1 to 3, wherein up to 30 at.% of Sm is substituted with a rare earth metal other than Ce.
- 6. A powdery magnet material according to one of claims 1 to 5, wherein up to 35 at.% of Fe is substituted with Co.
- 7. A powdery magnet material according to one of claims 1 to 6, wherein the average crystal grain size of the material is $10\,\mathrm{nm}$ to $0.5\,\mathrm{km}$.
- 8. A powdery magnet material according to one of claims 1 to 7, wherein the magnet powder has an intrinsic coercive force of 7 kOe or higher.
- 9. A process for preparing a flaky, isotropic SmFeN powdery magnet material recited in claim 1; which comprises the steps of combining and melting alloy components to form an alloy composition of the formula, by atomic %:

 $\mathtt{Sm_{x}Fe_{100-x-v}N_{v}}$

wherein $7 \le x \le 12$, and $0.5 \le v \le 20$; and the crystal structure being $TbCu_7$ type; spilling the molten alloy on a quenching roll or rolls which rotate at a peripheral speed of 30-45 m/sec., annealing the flaky powder thus obtained in an inert atmosphere at a temperature of $500-900^{\circ}C$; and then nitriding the annealed powder.

10. A process for preparing a flaky, isotropic SmFeN powdery magnet material recited in claim 2; which comprises the steps of combining and melting alloy components to form an alloy composition of the formula, by atomic %:

$$Sm_xFe_{100-x-y-y}M^1_yN_y$$

wherein M' is at least one member selected from the group consisting of Hf and Zr; $7 \le x \le 12$, $0.1 \le y \le 1.5$ and $0.5 \le v \le 20$; the crystal structure being TbCu, type; spilling the molten alloy on a quenching roll or rolls which rotate at a peripheral speed of 20-45 m/sec., annealing the flaky powder thus obtained in an inert atmosphere at a temperature of 500-900°C, and then nitriding the annealed powder.

11. A process for preparing a flaky, isotropic SmFeN powdery magnet material recited in claim 3, which comprises the steps of combining and melting alloy components to form an alloy composition of the formula, by atomic %:

$$\text{Sm}_{x}\text{Fe}_{\text{100-x-z-v}}\text{M}^{\text{2}}_{\text{z}}\text{N}_{\text{v}}$$

wherein M² is at least one member selected from the group consisting of Si, Nb, Ti, Ga, Al, Ta and C; $7 \le x \le 12$, $0.1 \le z \le 1.0$ and $0.5 \le v \le 20$; the crystal structure being TbCu₇ type; spilling the molten alloy on a quenching roll or rolls which rotate at a peripheral speed of 20-45 m/sec., annealing the flaky powder thus obtained in an inert

atmosphere at a temperature of $500-900^{\circ}\text{C}$, and then nitriding the annealed powder.

- 12. A process for preparing according to one of claims 9 to 11, wherein the roll-quenching is carried out in argon gas atmosphere of a pressure ranging from 0.0001 Torr to 2 atms.
- 13. A process for preparing according to one of claims 9 to 11, wherein the roll-quenching is carried out using a quenching roll or rolls made of a metal selected from Cu, a Cr-Cu alloy or a Be-Cu alloy.
- 14. A bonded magnet made by processing the magnet powder according to one of claims 1 to 8 with a binder to the shape of a magnet.